



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

WinDoor, Inc.
7500 Amsterdam Drive
Orlando, FL 32832

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "4000" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 08-01832, Series titled "4000 Aluminum Single Hung Window Equal Leg And Frame – Large & Small Impact", sheets 01 through 10 of 10, dated 12/11/12 with revision "B" dated 04/16/13, prepared by manufacture, signed and sealed by Luis R. Lomas, P. E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



Jaime D. Gascon
5/9/13

NOA No. 13-0102.04
Expiration Date: May 16, 2018
Approval Date: May 16, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-01832**, Series titled "4000 Aluminum Single Hung Window Equal Leg And Frame – Large & Small Impact", sheets 01 through 08 of 08, dated 12/11/12 with revision "**B**" dated 04/16/13, prepared by manufacture, signed and sealed by Luis R. Lomas, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of Aluminum single hung window, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NCTL-210-3744-7**, dated 08/29/12, signed and sealed by Gerald J. Ferrara, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, dated 12/20/12 with the latest revision dated 04/17/13, prepared, signed and sealed by Luis R. Lomas, P. E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of no financial interest, conformance and complying with **FBC-2010**, dated 12/11/12, issued, signed and sealed by Luis R. Lomas, P. E.
2. Laboratory compliance letter for Test Report No. **NCTL-210-3743-10**, issued by National Certified Testing Laboratories, Inc., dated 08/29/12, signed and sealed by Gerald J. Ferrara, P. E.

G. OTHERS

1. None.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 13-0102.04
Expiration Date: May 16, 2018
Approval Date: May 16, 2013

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/28/13	R.L.
B	REVISED ANCHORS & CHARTS	04/16/13	R.L.

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5) FRAME MATERIAL: ALUMINUM 6063-T6.
- 6) UNITS MUST BE GLAZED PER ASTM E1300-04 SEE SHEET 2 FOR GLAZING OPTIONS.
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 8) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 9) FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ITW TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11) FOR ANCHORING INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS MINIMUM GRADE 5 WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 12) ALL FASTENERS TO BE CORROSION RESISTANT.
- 13) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 16GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 - 4	ELEVATIONS
5	CROSS SECTIONS
6 - 9	INSTALLATION DETAILS
10	COMPONENTS

Approved as complying with the
Florida Building Code
Date 05/16/2013
NOAH 13-0162-04
Miami Dade Product Control

By

WinDoor
INCORPORATED

7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

4000 ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
NOTES

DRAWN:

V.L.

DWG NO.

08-01832

REV

B

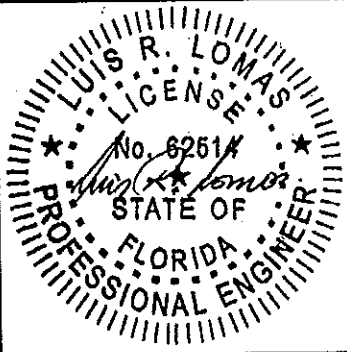
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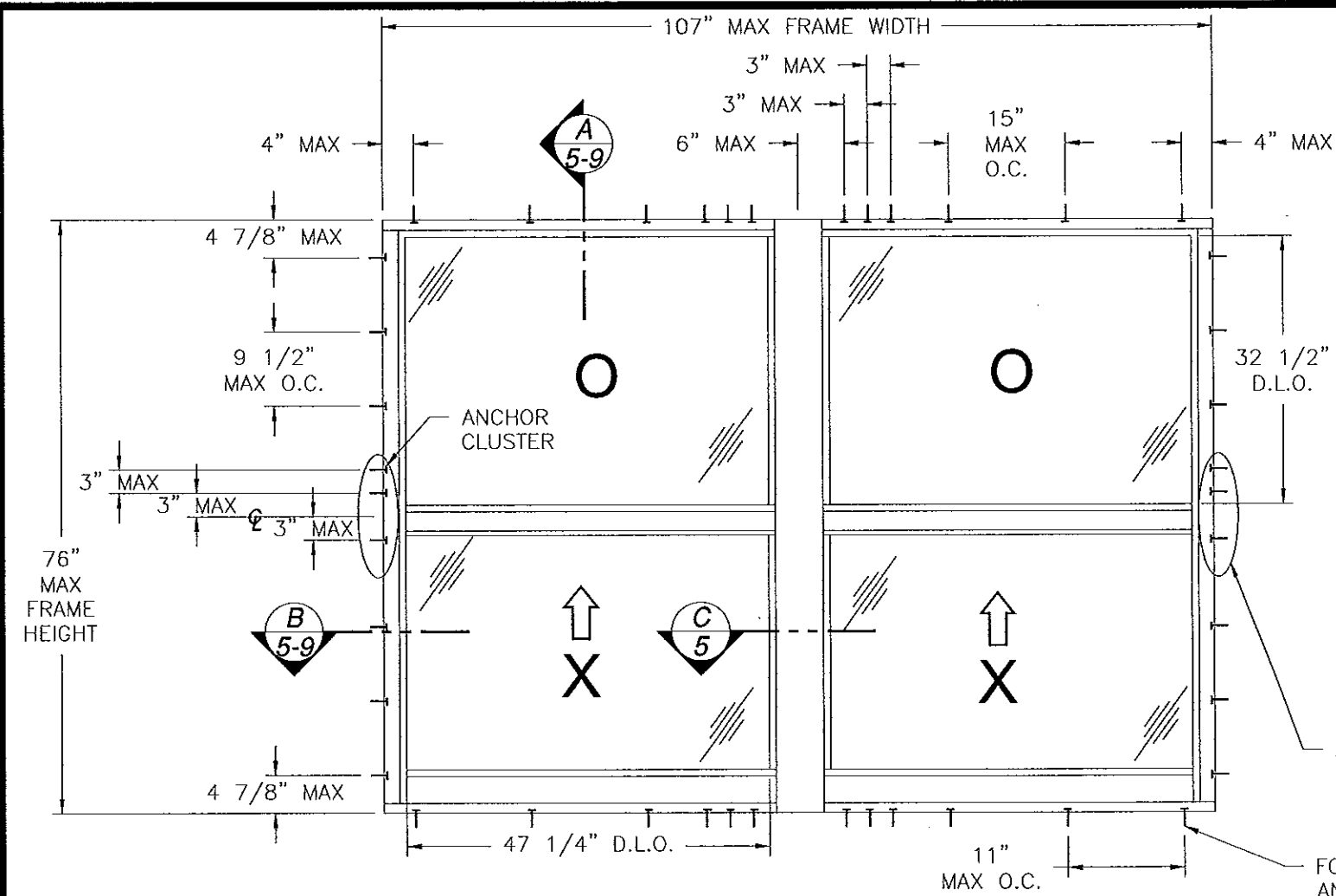
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SHEET 1 OF 10

SIGNED: 04/17/2013

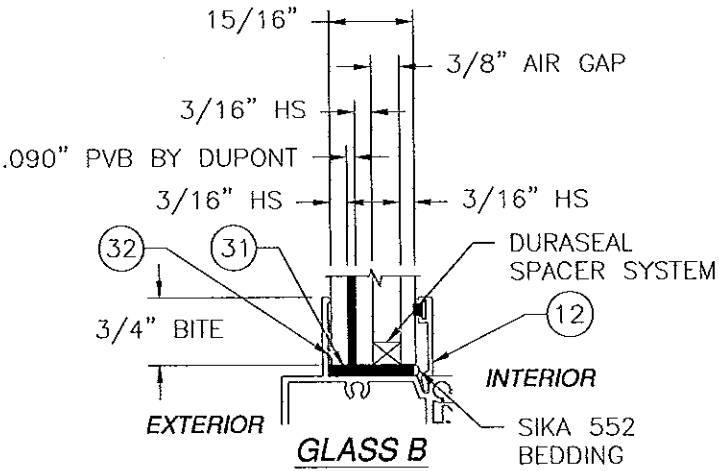
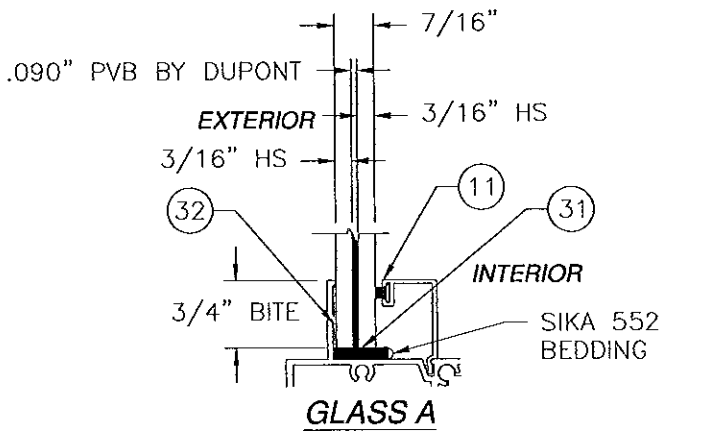


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/28/13	R.L.
B	REVISED ANCHORS & CHARTS	04/16/13	R.L.



4000 ALUMINUM EQUAL LEG AND FLANGE
SINGLE HUNG TWIN WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±85.0PSF	LARGE AND SMALL MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	



Number of anchor locations required																				
Frame Height (in)	Frame Width (in)																			
	60.00				72.00				84.00				96.00				107.00			
	H&S	Jamb	Meeting rail	Mullion cluster	H&S	Jamb	Meeting rail	Mullion cluster	H&S	Jamb	Meeting rail	Mullion cluster	H&S	Jamb	Meeting rail	Mullion cluster	H&S	Jamb	Meeting rail	Mullion cluster
36.00	2	1	1	2	2	1	1	2	3	1	2	2	3	1	2	3	3	1	2	3
42.00	2	1	1	2	2	1	2	2	3	1	2	3	3	1	2	3	3	1	2	3
48.00	2	1	1	2	2	1	2	3	3	1	2	3	3	1	2	3	3	1	2	4
54.00	2	1	1	3	2	1	2	3	3	1	2	3	3	1	2	4	3	1	3	4
60.00	2	1	1	3	2	1	2	4	3	1	2	4	3	1	2	4	3	1	3	5
66.00	2	2	1	4	2	2	2	4	3	2	2	4	3	2	3	5	3	2	3	5
72.00	2	2	1	4	2	2	2	4	3	2	2	5	3	2	3	5	3	2	3	6
76.00	2	2	1	4	2	2	2	5	3	2	2	5	3	2	3	6	3	2	3	6

Approved as complying with the
Florida Building Code
Date 05/16/2013
NOAH 13-0102.04
Miami Dade Product Control
By [Signature]

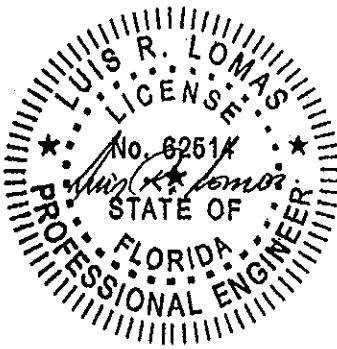
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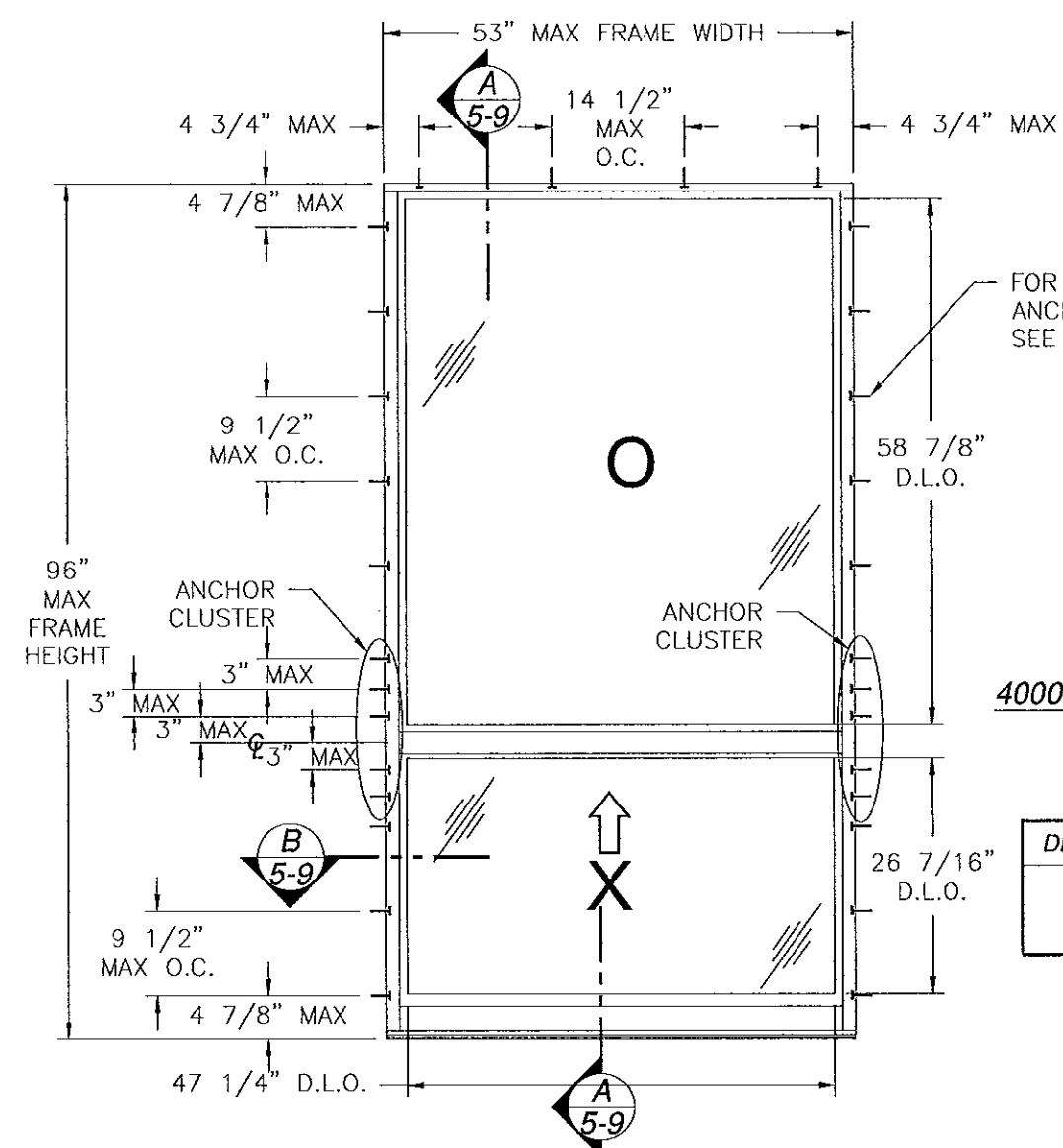
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www.windoorinc.com

4000 ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
ELEVATIONS & GLAZING DETAILS

DRAWN: V.L.	DWG NO. 08-01832	REV B
SCALE NTS	DATE 12/11/12	SHEET 2 OF 10

SIGNED: 04/17/2013





**4000 ALUMINUM EQUAL LEG AND FLANGE
SINGLE HUNG ORIEL WINDOW**
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±90.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/28/13	R.L.
B	REVISED ANCHORS & CHARTS	04/16/13	R.L.

Number of anchor locations required																						
Frame Height (in)	Fixed lite height (in)	Vent lite height (in)	Frame Width (in)																			
			30.00				36.00				42.00				48.00				53.00			
			Head	Jamb upper	Meeting rail	Jamb lower	Head	Jamb upper	Meeting rail	Jamb lower	Head	Jamb upper	Meeting rail	Jamb lower	Head	Jamb upper	Meeting rail	Jamb lower	Head	Jamb upper	Meeting rail	Jamb lower
78.00	42.00	36.00	3	2	2	2	3	2	3	2	3	2	3	2	4	2	4	2	4	2	4	3
84.00	48.00	36.00	3	3	2	2	3	3	3	2	3	3	3	2	4	3	4	2	4	3	4	3
90.00	54.00	36.00	3	3	2	2	3	3	3	2	3	3	3	2	4	4	4	2	4	4	4	3
96.00	60.00	36.00	3	3	2	2	3	4	3	2	3	4	3	2	4	4	4	2	4	4	4	3

NOTE:
FLANGE UNIT DIMENSIONS : 54" X 97"
TIP TO TIP

Approved as complying with the
Florida Building Code
Date 13-05-16/2013
OAH 13-05-16/2013
Miami Dade Product Control

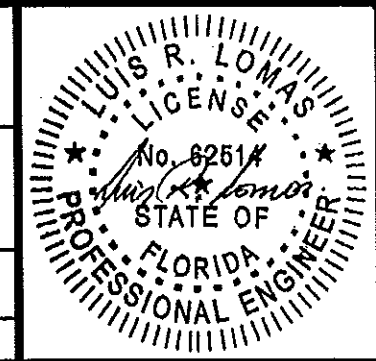
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EQUAL LEG AND FLANGE – LMI & SMI
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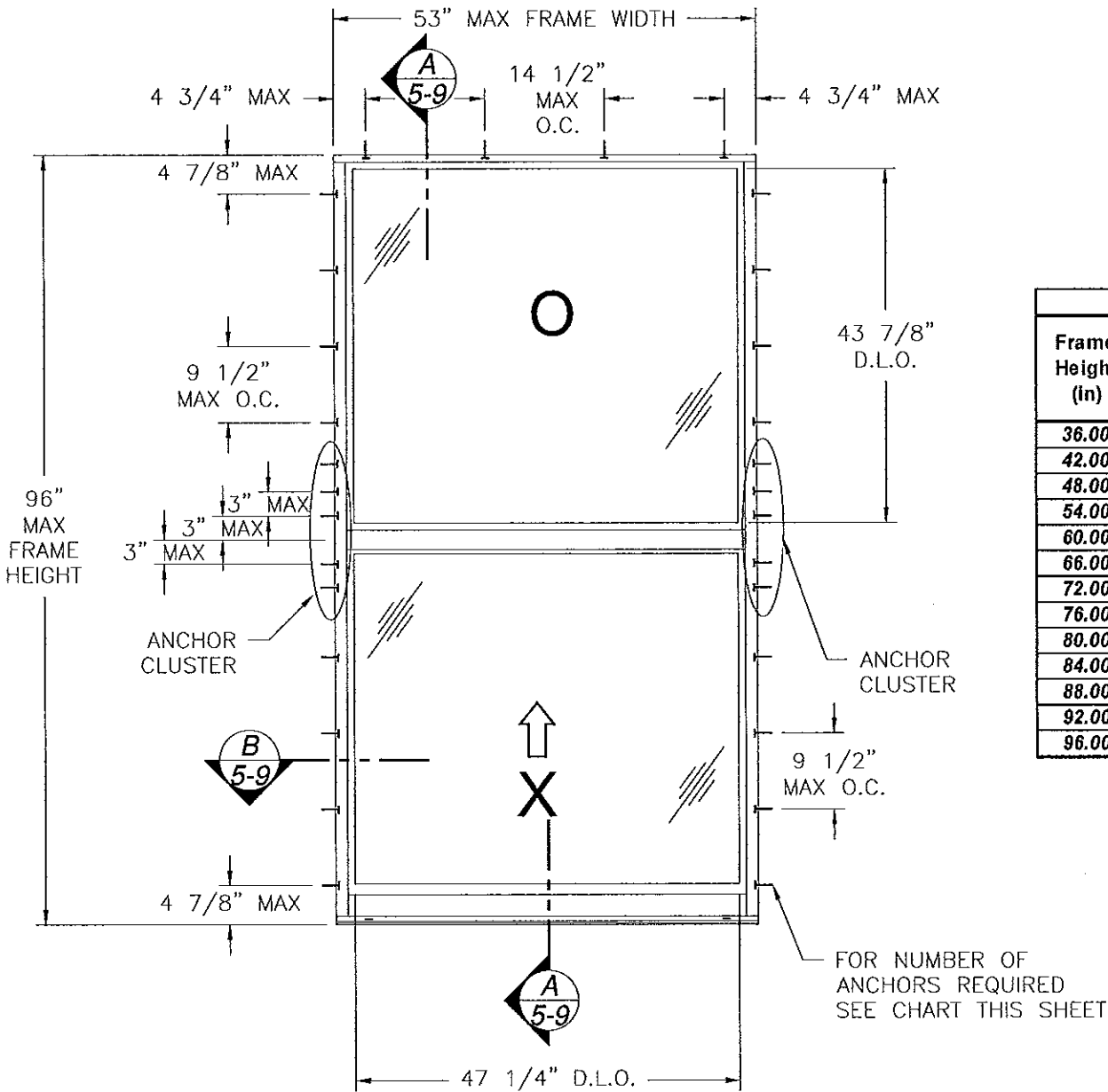
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SCALE NTS	DATE 12/11/12	SHEET 3 OF 10

SIGNED: 04/17/2013



REVISIONS			
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A	REVISED PER MD COMMENTS	02/28/13	R.L.
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Number of anchor locations required																				
Frame Height (in)	Frame Width (in)																			
	30.00				36.00				42.00				48.00				53.00			
	Head	Jamb upper	Cluster	Jamb lower	Head	Jamb upper	Cluster	Jamb lower	Head	Jamb upper	Cluster	Jamb lower	Head	Jamb upper	Cluster	Jamb lower	Head	Jamb upper	Cluster	Jamb lower
36.00	3	1	1	1	3	1	2	1	4	1	2	1	4	1	2	1	4	1	2	2
42.00	3	1	2	1	3	1	2	1	4	1	2	1	4	1	2	2	4	1	3	2
48.00	3	1	2	1	3	1	2	1	4	1	2	2	4	1	3	2	4	1	3	2
54.00	3	2	2	2	3	2	2	2	4	2	2	2	4	2	3	2	4	2	3	2
60.00	3	2	2	2	3	2	2	2	4	2	3	2	4	2	3	2	4	2	3	2
66.00	3	2	2	2	3	2	2	2	4	2	3	2	4	2	3	2	4	2	4	2
72.00	3	3	2	3	3	3	3	3	4	3	3	3	4	3	3	3	4	3	4	3
76.00	3	3	2	3	3	3	3	3	4	3	3	3	4	3	4	3	4	3	4	3
80.00	3	3	2	3	3	3	3	3	4	3	3	3	4	3	4	3	4	3	4	3
84.00	3	3	2	3	3	3	3	3	4	3	3	3	4	3	4	3	4	3	4	3
88.00	3	3	2	3	3	3	3	3	4	3	3	3	4	3	4	3	4	3	4	3
92.00	3	3	2	3	3	3	3	3	4	3	3	3	4	3	4	3	4	3	5	3
96.00	3	4	2	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	5	4



4000 ALUMINUM EQUAL LEG AND FLANGE
SINGLE HUNG WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±90.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

NOTE:
FLANGE UNIT DIMENSIONS : 54" X 97"
TIP TO TIP

Approved as complying with the
Florida Building Code
Date 05/16/2013
NOAH 13-0162.84
Miami Dade Product Control
By [Signature]

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EQUAL LEG AND FLANGE – LMI & SMI

ELEVATIONS & GLAZING DETAILS

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DWG NO. 08-01832

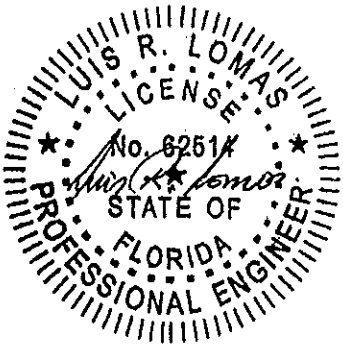
REV B

SCALE NTS

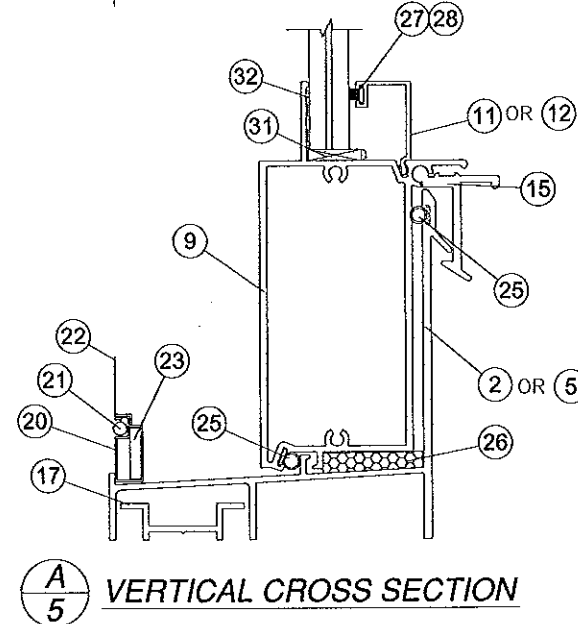
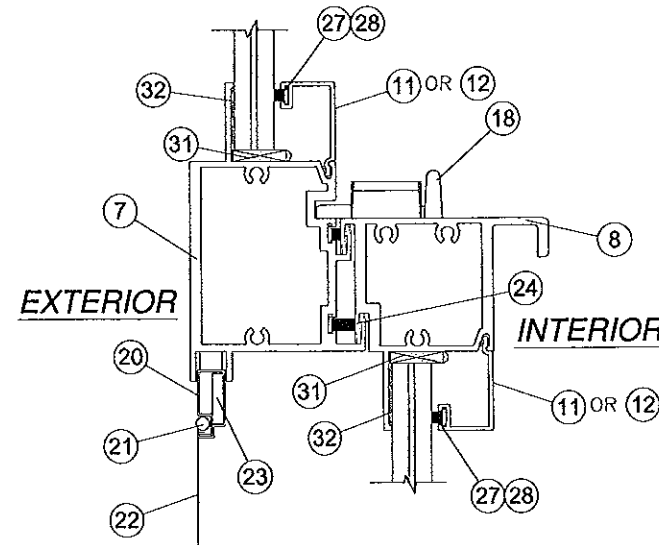
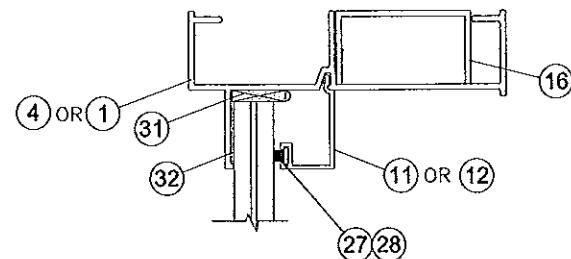
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SHEET 4 OF 10

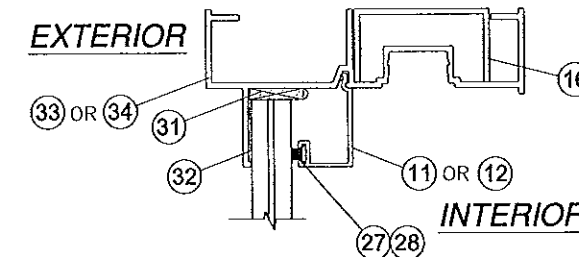
SIGNED: 04/17/2013



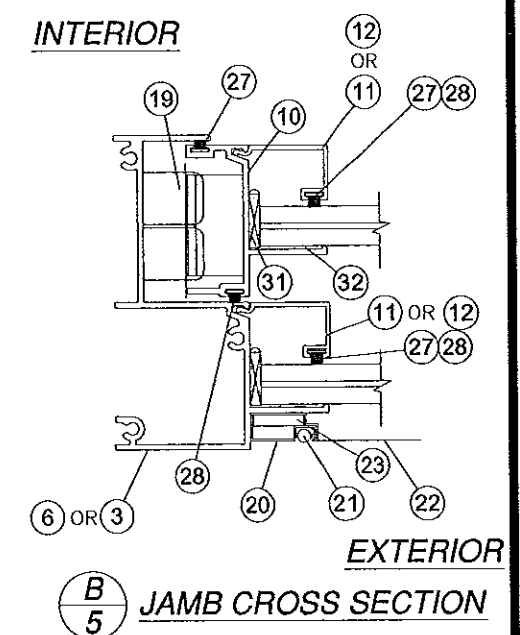
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	FS-06612	FRAME HEAD EQUAL LEG	KEYMARK	ALUMINUM 6063-T6
2	FS-06613	FRAME SILL EQUAL LEG	KEYMARK	ALUMINUM 6063-T6
3	FS-06614	FRAME JAMB EQUAL LEG	KEYMARK	ALUMINUM 6063-T6
4	FS-06661	FRAME HEAD FLANGE	KEYMARK	ALUMINUM 6063-T6
5	FS-06662	FRAME SILL FLANGE	KEYMARK	ALUMINUM 6063-T6
6	FS-06663	FRAME JAMB FLANGE	KEYMARK	ALUMINUM 6063-T6
7	FH-06615	FIXED MEETING RAIL	KEYMARK	ALUMINUM 6063-T6
8	FH-06616	MEETING RAIL	KEYMARK	ALUMINUM 6063-T6
9	FH-06617	LIFT RAIL	KEYMARK	ALUMINUM 6063-T6
10	FS-06618	SASH JAMB	KEYMARK	ALUMINUM 6063-T6
11	FS-06667	7/16" GLASS STOP	KEYMARK	ALUMINUM 6063-T6
12	FS-06619	1" GLASS STOP	KEYMARK	ALUMINUM 6063-T6
13	FH-06668	VERTICAL IMPOST	KEYMARK	ALUMINUM 6063-T6
14		NOT USED		
15	FE-5031	SILL SNAP LOCK	KEYMARK	ALUMINUM 6063-T6
16	FS-06671	HEAD FILLER	KEYMARK	ALUMINUM 6063-T6
17	FS-06664	SILL RETAINER	KEYMARK	ALUMINUM 6063-T6
18	H4000-BL-SL202	SASH LOCK	WINDOOR	ALUMINUM 6063-T6
19		BLOCK AND TACKLE BALANCE	WINDOOR	ALUMINUM 6063-T6
20	S4000-XX-150	SCREEN HEAD, JAMB AND SILL	WINDOOR	ALUMINUM 6063-T6
21	S10010-BL-2200R	SCREEN SPLINE	WINDOOR	ALUMINUM 6063-T6
22	SBV-XX-0600Z	SCREEN CLOTH	WINDOOR	ALUMINUM 6065-T6
23	54080-ML-FB11	SCREEN CORNER KEY	WINDOOR	ALUMINUM 6063-T6
24	122003	.187X.350 FINSEAL	ULTRAFAB	
25	W4000-BL-20218	.187X.300 WEATHERSTRIP	FRANK LOWE	PROLON
26	W4000-BL-SCE42	1.300X1.750X.375 CLOSED CELL PAD	TEAM PLASTICS	FOAM
27	122001	.187X.220 FINSEAL	ULTRAFAB	
28	122002	.187X.240 FINSEAL	ULTRAFAB	
29	131096	#6X3/4" SWEEP ATTACHMENT SCREW		STEEL GRADE 5
30	131014	#8X1" RAIL ATTACHMENT SCREW		STEEL GRADE 5
31	121104	SETTING BLOCK	FRANK LOWE	85 DURO SHORE A
32	C4000-91-351AX	PURFECT GLAZE HOT MELT COMPOUND	HENKEL AMERICAS	
33	FS-07419	FRAME EQUAL LEG W/ CHANNEL	KEYMARK	ALUMINUM 6063-T6
34	FS-07418	FRAME FLANGE W/ CHANNEL	KEYMARK	ALUMINUM 6063-T6



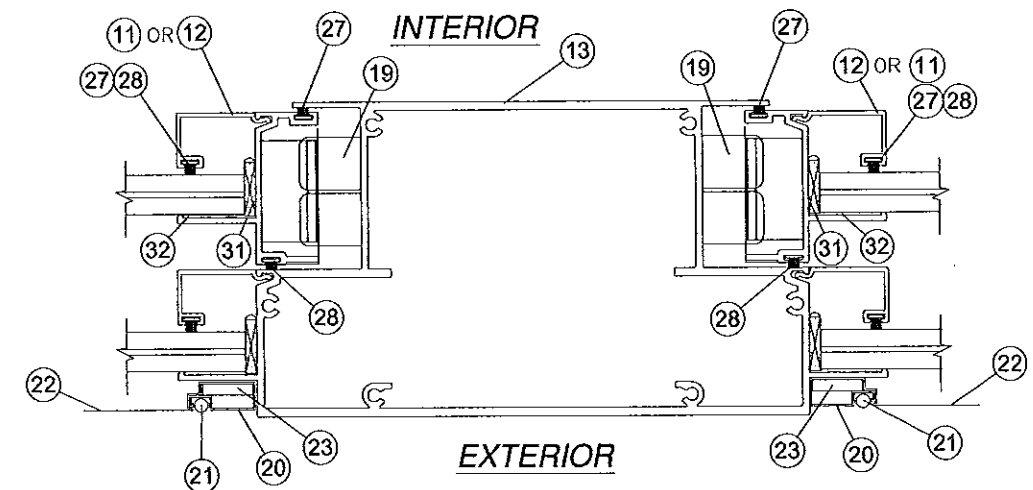
A
5 VERTICAL CROSS SECTION



OPTIONAL HEAD FRAME



B
5 JAMB CROSS SECTION



C
5 VERTICAL POST CROSS SECTION

SIGNED: 04/17/2013

Approved as complying with the
Florida Building Code
Date 13-05-16/2013
NOA# 13-018203
Miami Dade Product Control

By [Signature]

WinDoor
INCORPORATED

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4000 ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
B.O.M. & CROSS SECTIONS

DRAWN:
V.L.

DWG NO.

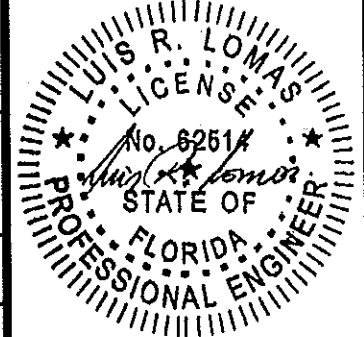
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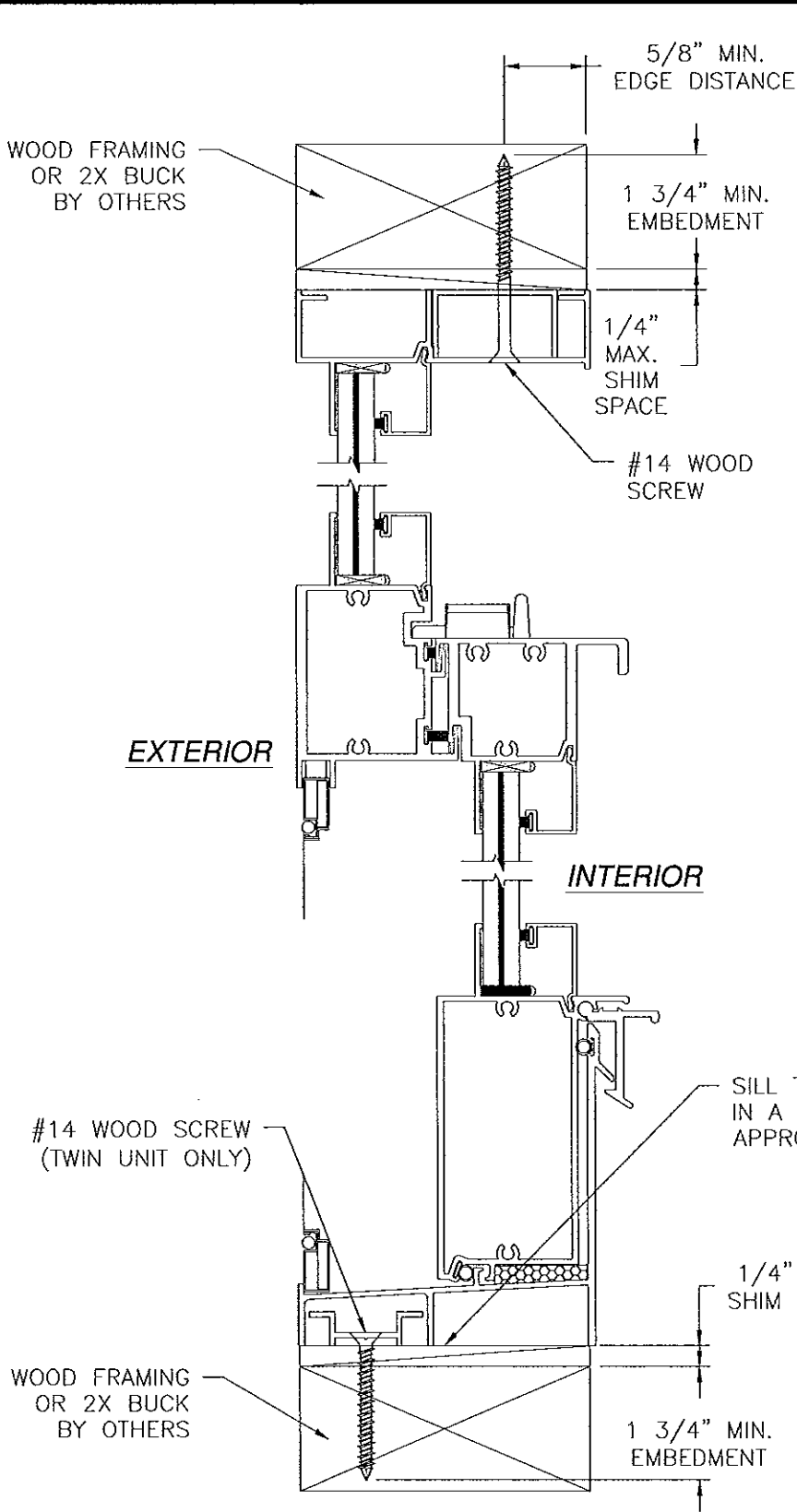
SCALE NTS

DATE 12/11/12

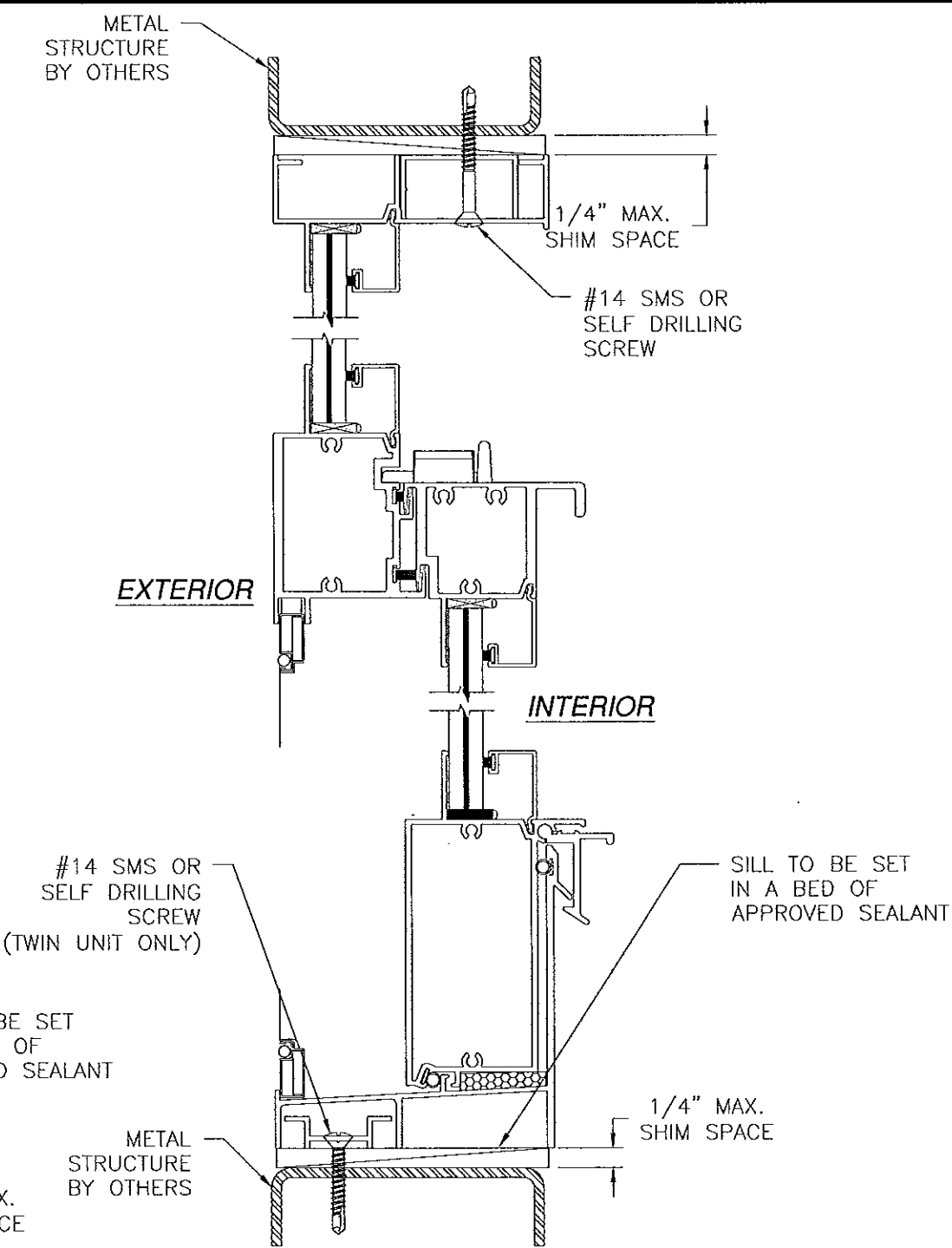
SHEET 5 OF 10



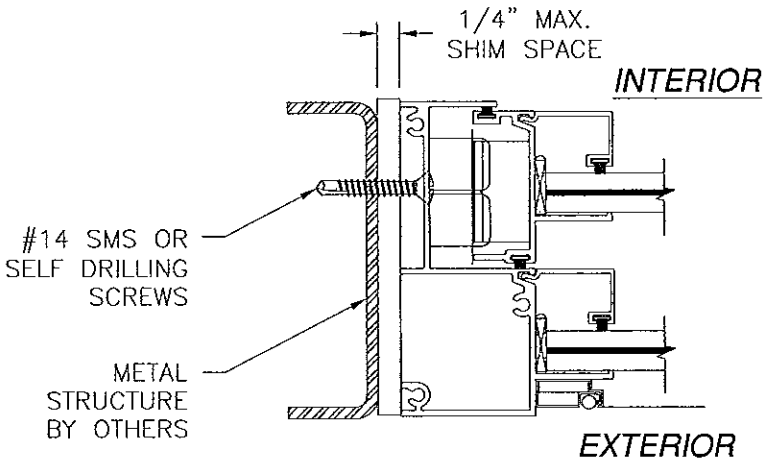
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	02/28/13	R.L.
B	REVISED ANCHORS & CHARTS	04/16/13	R.L.



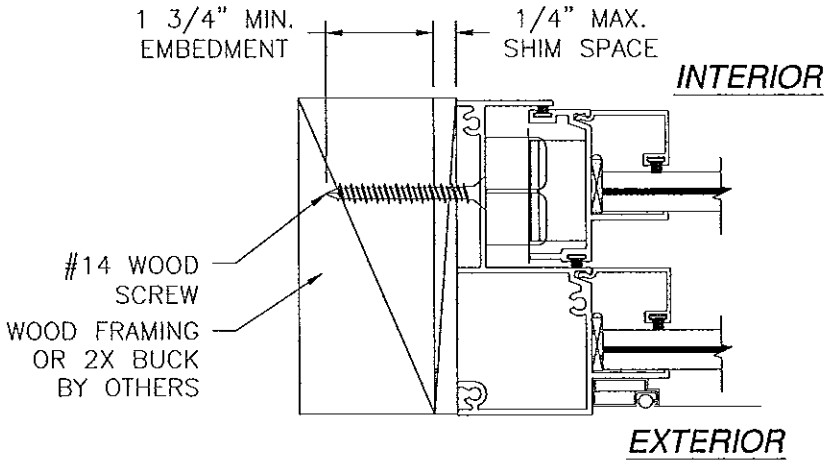
A
6 VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



A
6 VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



B
6 JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



B
6 JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTE: - SEALANT AND BACKER ROD MATERIAL AND JOINT DESIGN BY OTHERS.
- INTERIOR AND EXTERIOR FINISHES BY OTHERS OMITTED FOR CLARITY.

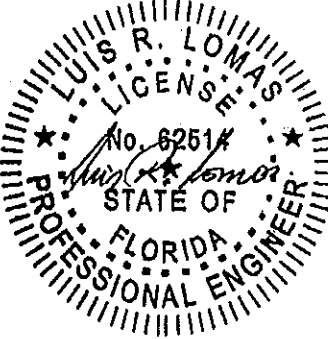
SIGNED: 04/17/2013

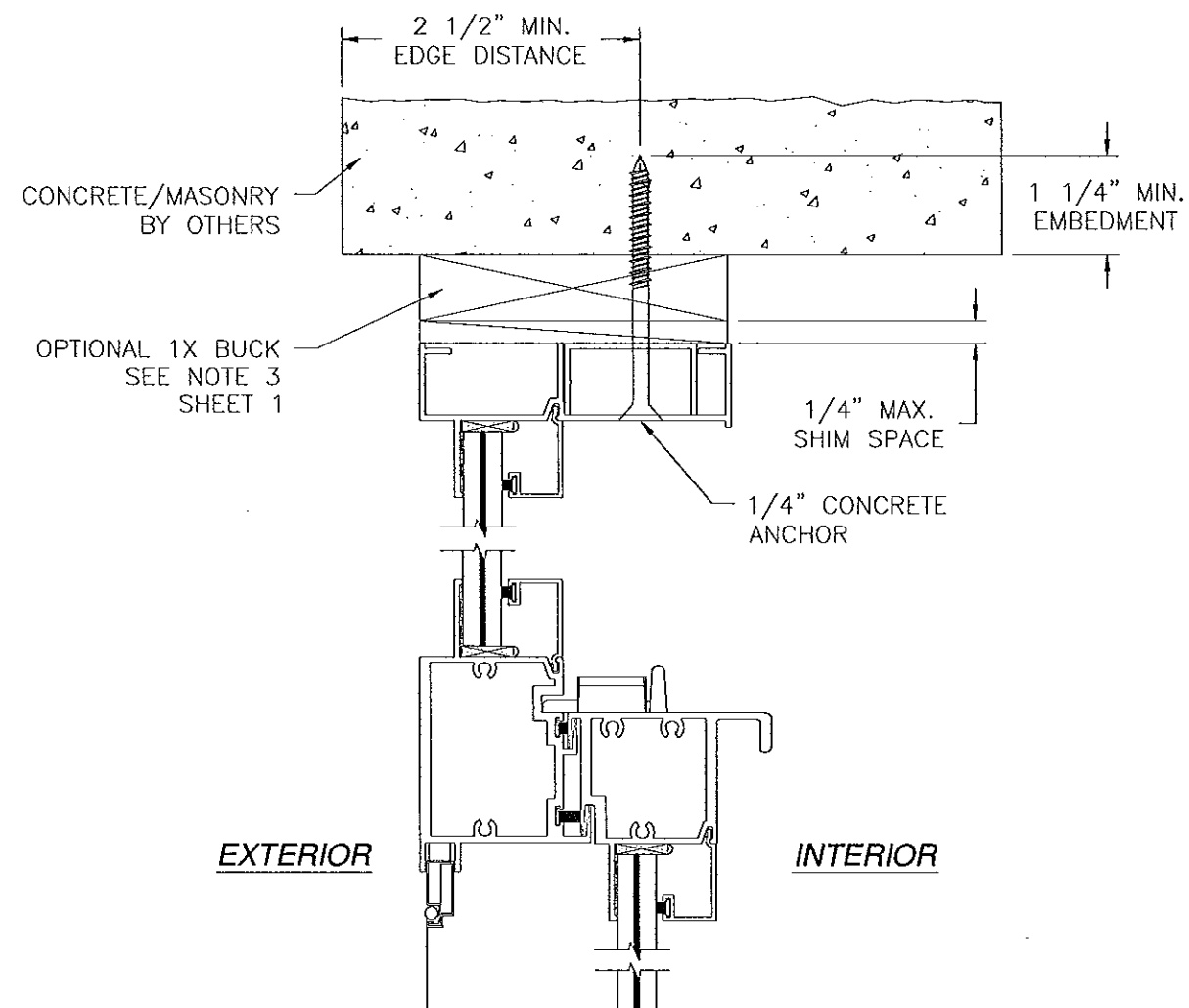
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Date 05/16/2013
NOAH 13-0102-04
Miami Dade Product Control
By [Signature]

WinDoor
INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

4000 ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01832	REV B
SCALE NTS	DATE 12/11/12	SHEET 6 OF 10





EXTERIOR

INTERIOR

1/4" CONCRETE ANCHOR (TWIN UNIT ONLY)

SILL TO BE SET IN A BED OF APPROVED SEALANT

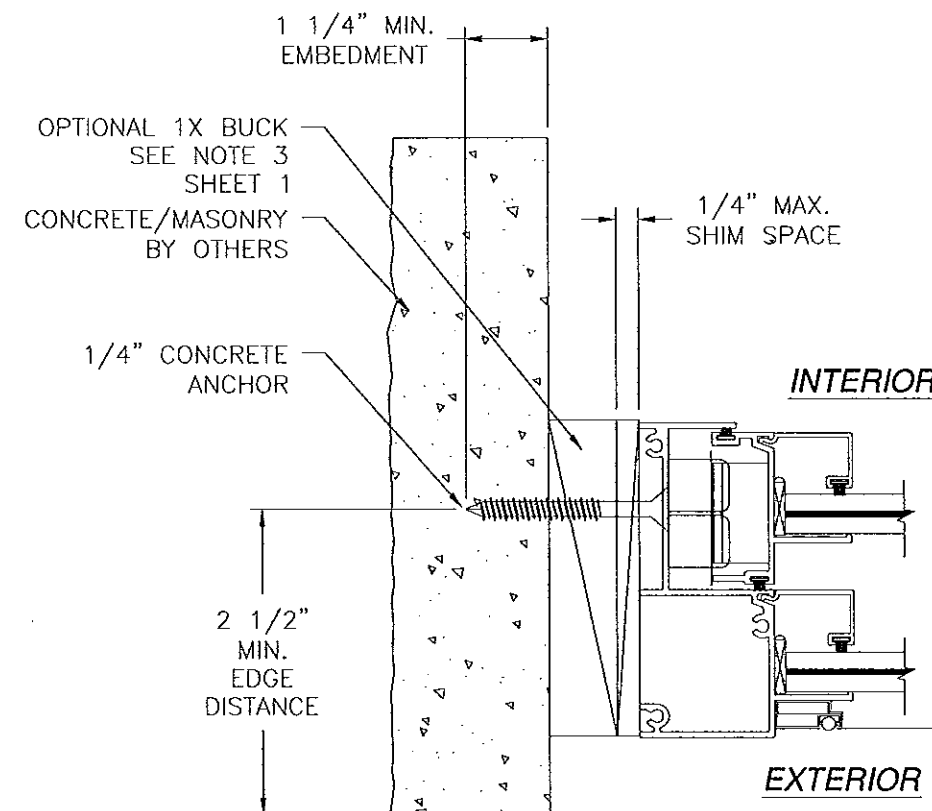
1/4" MAX. SHIM SPACE

OPTIONAL 1X BUCK SEE NOTE 3 SHEET 1
CONCRETE/MASONRY BY OTHERS

1 1/4" MIN. EMBEDMENT

A
7
VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
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INTERIOR

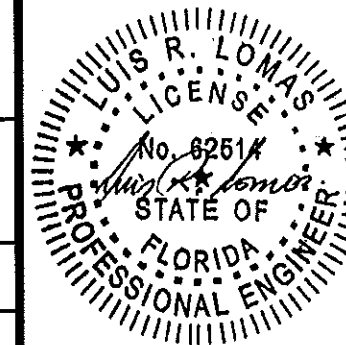
EXTERIOR

B
7
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

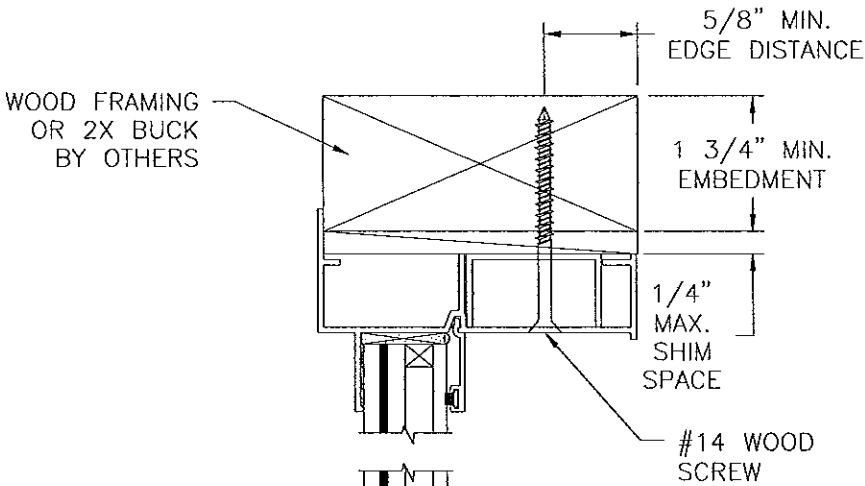
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	4000 ALUMINUM SINGLE HUNG WINDOW EQUAL LEG AND FLANGE - LMI & SMI INSTALLATION DETAILS			
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	SCALE NTS	DATE 12/11/12	SHEET 7 OF 10	

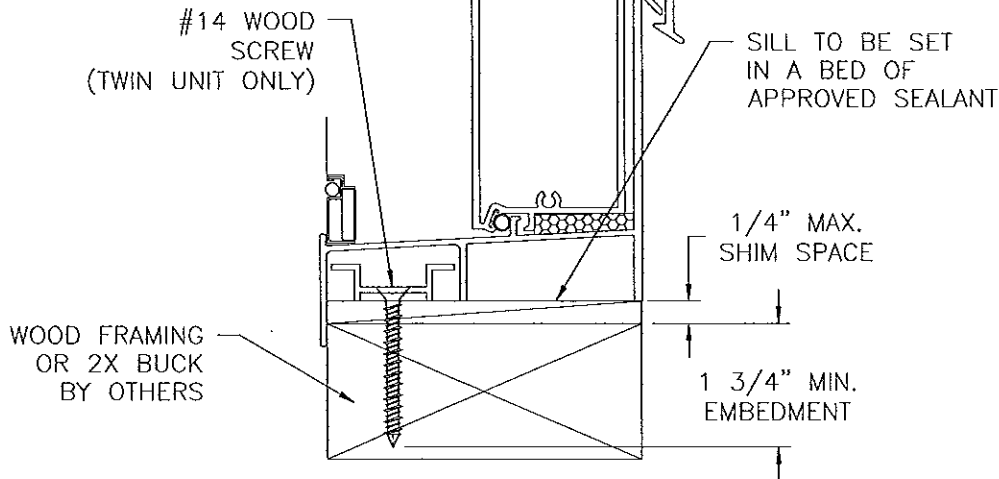


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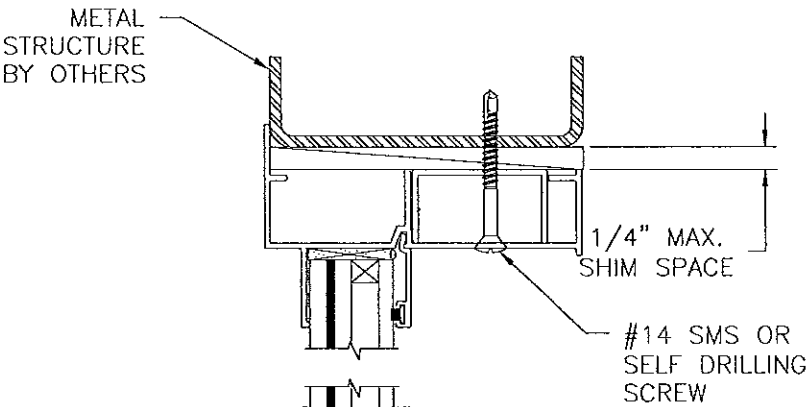


EXTERIOR

INTERIOR

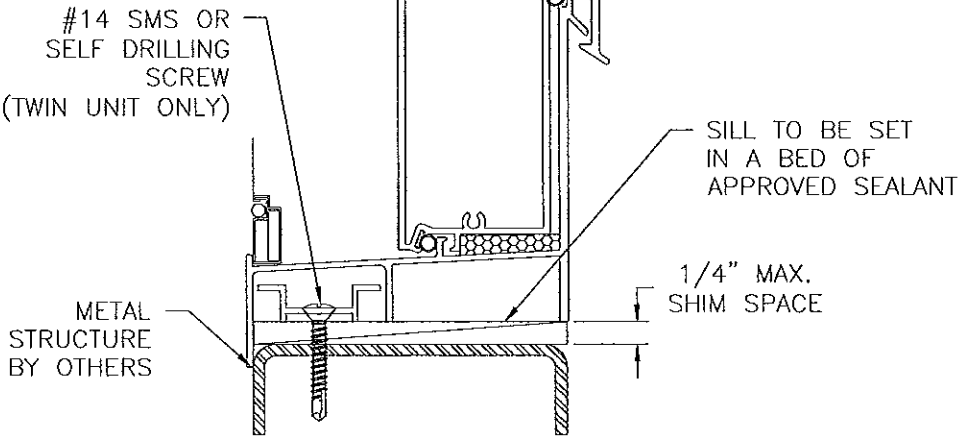


A
8 VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



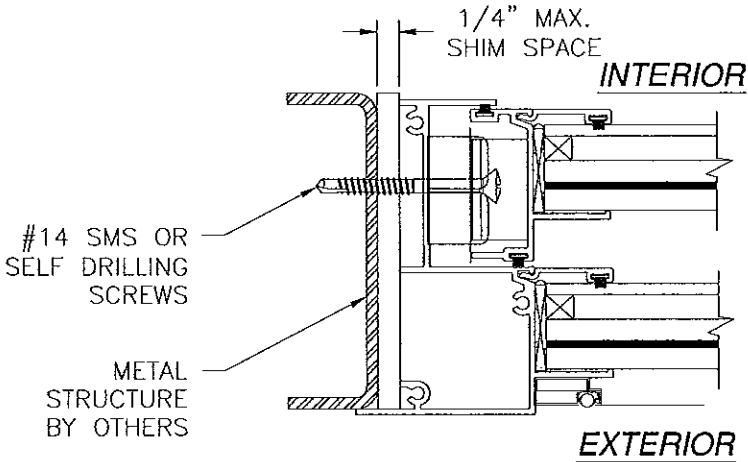
EXTERIOR

INTERIOR

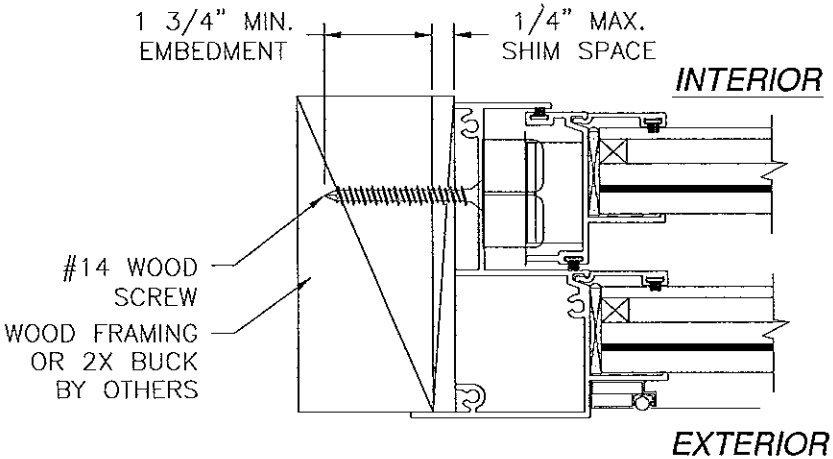


A
8 VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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B
8 JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



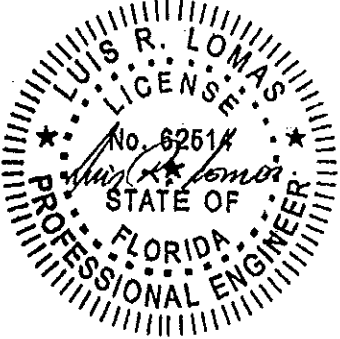
B
8 JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

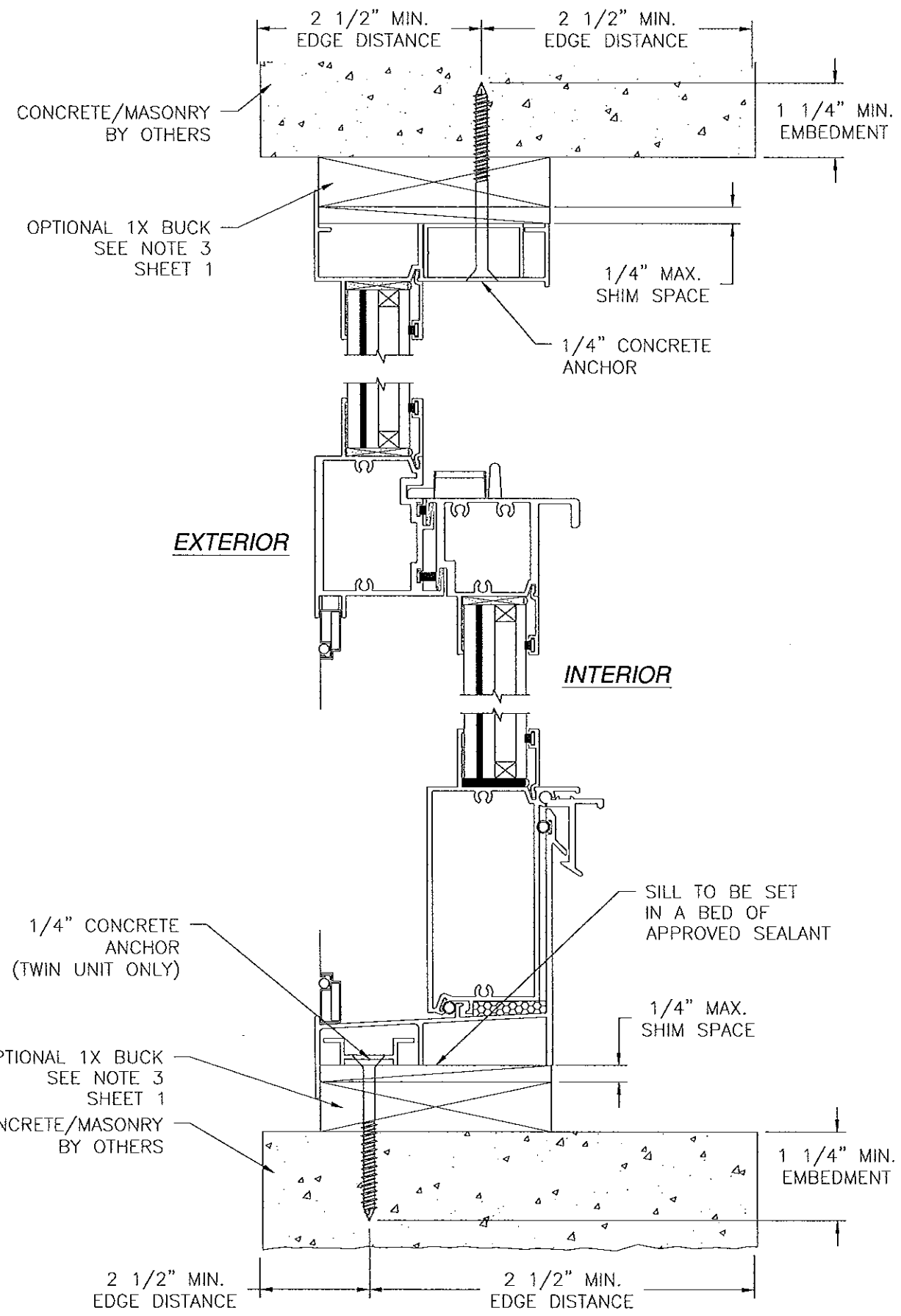
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INSTALLATION DETAILS

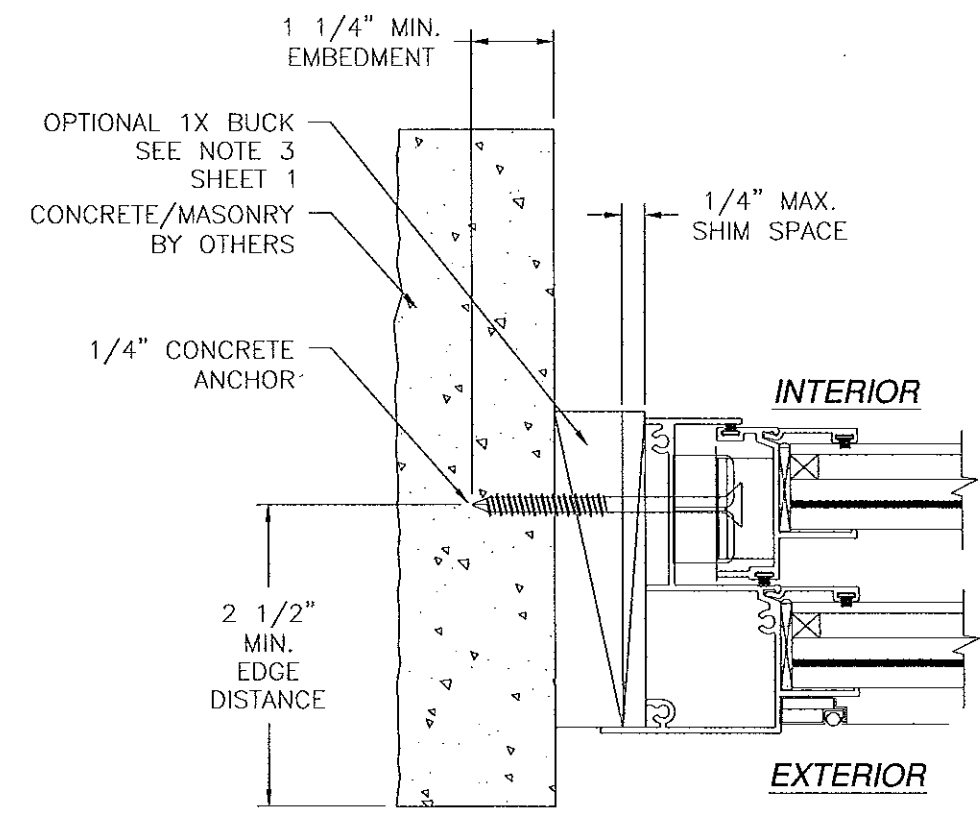
DRAWN: V.L.	DWG NO. 08-01832	REV B
SCALE NTS	DATE 12/11/12	SHEET 8 OF 10





A VERTICAL CROSS SECTION
9 CONCRETE/MASONRY INSTALLATION

REVISIONS			
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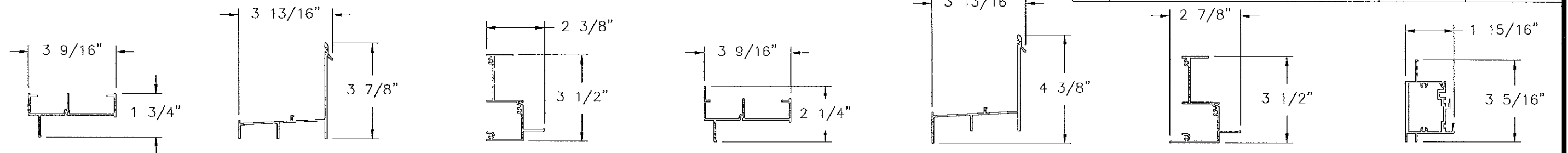
B JAMB INSTALLATION DETAIL
9 CONCRETE/MASONRY INSTALLATION

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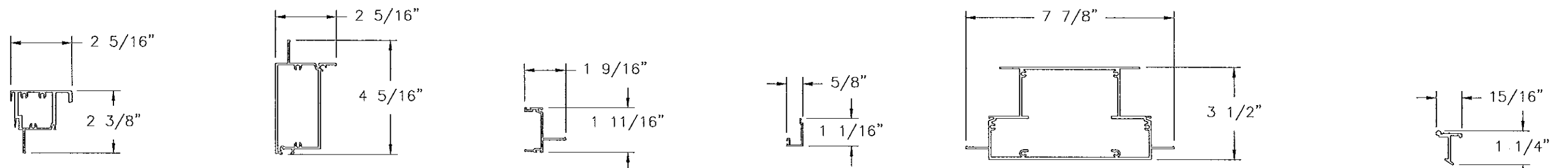
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	DRAWN: V.L.	DWG NO. 08-01832	REV B		
	SCALE NTS	DATE 12/11/12	SHEET 9 OF 10		

REVISIONS			
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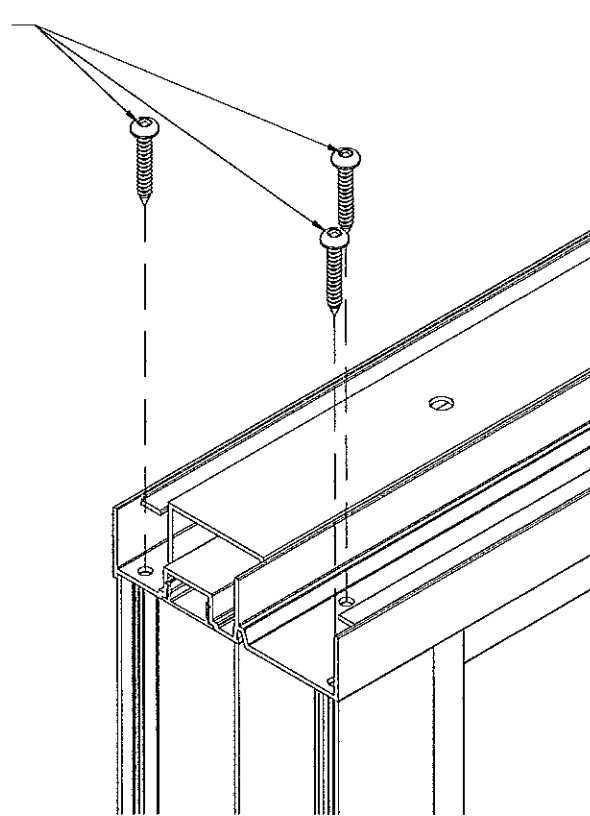


- ① **FRAME**
ALUMINUM 6063-T6 .063 THICK
- ② **FRAME SILL**
ALUMINUM 6063-T6 .063 THICK
- ③ **FRAME JAMB**
ALUMINUM 6063-T6 .063 THICK
- ④ **FRAME FLANGE**
ALUMINUM 6063-T6 .063 THICK
- ⑤ **FRAME SILL FLANGE**
ALUMINUM 6063-T6 .063 THICK
- ⑥ **FRAME JAMB FLANGE**
ALUMINUM 6063-T6 .063 THICK
- ⑦ **FIXED MEETING RAIL**
ALUMINUM 6063-T6 .077 THICK

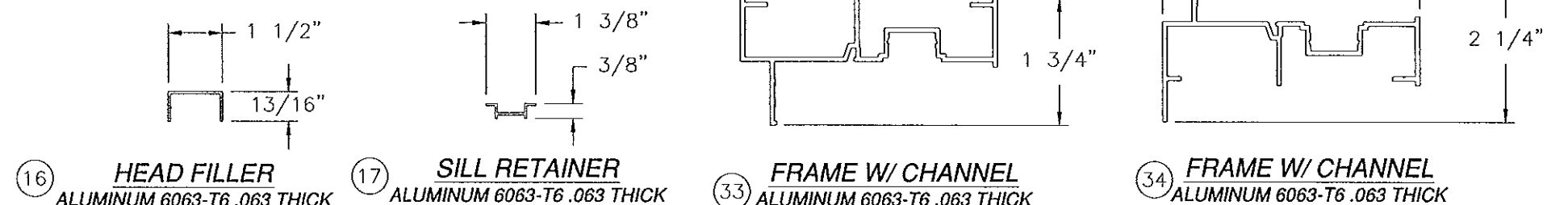


- ⑧ **MEETING RAIL**
ALUMINUM 6063-T6 .063 THICK
- ⑨ **LIFT RAIL**
ALUMINUM 6063-T6 .063 THICK
- ⑩ **SASH JAMB**
ALUMINUM 6063-T6 .063 THICK
- ⑪ **GLAZING STOP**
ALUMINUM 6063-T6 .040 THICK
- ⑫ **GLAZING STOP**
ALUMINUM 6063-T6 .040 THICK
- ⑬ **VERTICAL IMPOST**
ALUMINUM 6063-T6 .093 THICK
- ⑭ **VERTICAL IMPOST**
ALUMINUM 6063-T6 .093 THICK
- ⑮ **SILL SNAP LOCK**
ALUMINUM 6063-T6 .090 THICK

#8 X 3/4" SMS OR
SELF DRILLING
SCREW



CORNER DETAIL



- ⑬ **VERTICAL IMPOST**
ALUMINUM 6063-T6 .093 THICK
- ⑭ **VERTICAL IMPOST**
ALUMINUM 6063-T6 .093 THICK
- ⑮ **SILL SNAP LOCK**
ALUMINUM 6063-T6 .090 THICK
- ⑯ **SILL SNAP LOCK**
ALUMINUM 6063-T6 .090 THICK
- ⑰ **SILL RETAINER**
ALUMINUM 6063-T6 .063 THICK
- ⑱ **SILL RETAINER**
ALUMINUM 6063-T6 .063 THICK
- ⑲ **FRAME W/ CHANNEL**
ALUMINUM 6063-T6 .063 THICK
- ⑳ **FRAME W/ CHANNEL**
ALUMINUM 6063-T6 .063 THICK
- ㉑ **FRAME W/ CHANNEL**
ALUMINUM 6063-T6 .063 THICK
- ㉒ **FRAME W/ CHANNEL**
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- ㉓ **FRAME W/ CHANNEL**
ALUMINUM 6063-T6 .063 THICK
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- ㊿ **FRAME W/ CHANNEL**
ALUMINUM 6063-T6 .063 THICK

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COMPONENTS

DRAWN: V.L. DWG NO. 08-01832 REV B

SCALE NTS DATE 12/11/12 SHEET 10 OF 10

